

What Is Claimed Is:

1. An information system, comprising:
  - a server;
  - a data storage device, accessed by said server by  
5 issuing an input/output request in order to write  
information or to read said written information; and
  - a connection device connected to said server and to  
said data storage device, including a transmission/reception  
unit to mediate information exchanged between said server  
10 and said data storage device, which transfers said  
input/output request transmitted from said server to said  
data storage device, and transfers information transmitted  
by said data storage device in response to said input/output  
request to said server, wherein
- 15 said connection device further includes:
  - a memory unit for storing in advance a test list which  
associates information identifying said data storage device  
to be tested with setting information related to tests; and
  - an input/output analysis unit, connected to said  
20 transmission/reception unit and to said memory unit, which,  
upon input of said input/output request received by said  
transmission/reception unit, references said test list and  
judges whether the destination of the input/output request  
is said data storage device to be tested, and if the  
25 destination of the input/output request is said storage  
device to be tested, outputs the input/output request to  
said transmission/reception unit after a prescribed length

of time has elapsed.

2. The information system according to claim 1,  
wherein

5 said setting information further has a probability  
distribution and a parameter identifying the probability  
distribution in association with information identifying  
said data storage device to be tested, and said prescribed  
time is determined based on said probability distribution  
10 and on said parameter.

3. An information system, comprising:

a server;

a data storage device, accessed by said server by  
15 issuing an input/output request in order to write  
information or to read said written information; and

a connection device connected to said server and to  
said data storage device, including a transmission/reception  
unit to mediate information exchanged between said server  
20 and said data storage device, which transfers said  
input/output request transmitted from said server to said  
data storage device, and transfers information transmitted  
by said data storage device in response to said input/output  
requests to said server, wherein

25 said connection device further includes:

a memory unit for storing in advance a test list which  
associates information identifying said data storage device

to be tested with setting information related to tests; and  
an input/output analysis unit, connected to said  
transmission/reception unit and to said memory unit, which,  
upon input of said input/output request received by said  
5 transmission/reception unit, references said test list and  
judges whether the destination of the input/output request  
is said data storage device to be tested, and if the  
destination of the input/output request is said storage  
device to be tested, generates an error message at a  
10 prescribed rate and outputs the error message to said  
transmission/reception unit, and wherein  
said transmission/reception unit, upon input of said  
error message from said input/output analysis unit, sends  
said error message to said server which had issued said  
15 input/output request.

4. An information system, comprising:  
a server;  
a data storage device, accessed by said server by  
20 issuing an input/output request in order to write  
information or to read said written information; and  
a connection device connected to said server and to  
said data storage device, including a transmission/reception  
unit to mediate information exchanged between said server  
25 and said data storage device, which transfers said  
input/output request transmitted from said server to said  
data storage device, and transfers information transmitted

by said data storage device in response to said input/output request to said server, wherein

said connection device further includes an input/output generation unit, connected to said transmission/reception unit, which generates an input/output request with said connection device as request source and said data storage device as destination, and outputs the generated input/output request to said transmission/reception unit, and wherein

said transmission/reception unit, upon receiving information from said data storage device in response to said input/output request generated by said input/output generation unit, discards the information.

5. The information system according to claim 1, wherein

said connection device further includes an input/output generation unit, connected to said transmission/reception unit and to said memory unit, which generates an input/output request with said connection device as request source and said data storage device as the destination, and outputs the generated input/output request to said transmission/reception unit, and wherein

said transmission/reception unit, upon receiving information from said data storage device in response to said input/output request generated by said input/output generation unit, discards the information.

6. The information system according to claim 3,  
wherein

said connection device further includes an input/output  
5 generation unit, connected to said transmission/reception  
unit and to said memory unit, which generates an  
input/output request with said connection device as request  
source and said data storage device as the destination, and  
outputs the generated input/output request to said  
10 transmission/reception unit, and wherein

said transmission/reception unit, upon receiving  
information from said data storage device in response to  
said input/output request generated by said input/output  
generation unit, discards the information.  
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7. A testing method for use in an information system  
having:

a server;  
a data storage device, accessed by said server by  
20 issuing an input/output request in order to write  
information or to read said written information; and  
a connection device connected to said server and to  
said data storage device, including a transmission/reception  
unit to mediate information exchanged between said server  
25 and said data storage device, which transfers said  
input/output request transmitted from said server to said  
data storage device, and transfers information transmitted

by said data storage device in response to said input/output request to said server,

said testing method being a testing method of generating a pseudo-load on said data storage device

5 comprising the steps of:

receiving an input/output request issued by said server to said data storage device at said connection device;

judging whether the destination of the input/output request is said data storage device to be tested at said

10 connection device; and

if the destination of the input/output request is the storage device to be tested, holding the input/output request for a prescribed time before transmitting to said data storage device of said destination at said connection

15 device.

8. A testing method for use in an information system having:

a server;

20 a data storage device, accessed by said server by issuing an input/output request in order to write information or to read said written information; and

a connection device connected to said server and to said data storage device, including a transmission/reception  
25 unit to mediate information exchanged between said server and said data storage device, which transfers said input/output request transmitted from said server to said

data storage device, and transfers information transmitted by said data storage device in response to said input/output requests to said server,

said testing method being a testing method of  
5 generating an error for said data storage device comprising the steps of:

receiving an input/output request issued by said server to said data storage device at said connection device;

judging whether the destination of the input/output  
10 request is said data storage device to be tested at said connection device; and

if the destination of the input/output request is the storage device to be tested, transmitting an error message at a prescribed rate to said server issuing the input/output  
15 request at said connection device.

9. A testing method for use in an information system having:

a server;  
20 a data storage device, accessed by said server by issuing an input/output request in order to write information or to read said written information; and

a connection device connected to said server and to said data storage device, including a transmission/reception  
25 unit to mediate information exchanged between said server and said data storage device, which transfers said input/output request transmitted from said server to said

data storage device, and transfers information transmitted by said data storage device in response to said input/output requests to said server,

said testing method being a testing method of  
5 generating an error for said data storage device comprising the steps of:

generating an input/output request to said data storage device at said connection device;

issuing the input/output request to said data storage  
10 device at said connection device; and

upon receiving information from said data storage device in response to said input/output request issued by the connection device, discarding the information at said connection device.

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10. The testing method according to claim 7, further comprising the steps of:

generating an input/output request to said data storage device at said connection device;

20 issuing said input/output request to said data storage device at said connection device; and

upon receiving information from said data storage device in response to said input/output request issued by the connection device, discarding the information at said  
25 connection device.

11. The testing method according to claim 8, further

comprising the steps of:

generating an input/output request to said data storage device at said connection device;

issuing said input/output request to said data storage  
5 device at said connection device; and

upon receiving information from said data storage device in response to said input/output request issued by the connection device, discarding the information at said connection device.

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